

APPENDIX B
PRESENTLY PENDING CLAIMS

1. (Amended) An isolated polynucleotide comprising the nucleotide sequence of SEQ ID NO:21.

2. (Amended) The polynucleotide of any one of claims 1, 8 or 14-19, wherein said polynucleotide is operably linked to at least one expression control sequence.

3. A host cell transformed with the polynucleotide of claim 2.

4. The host cell of claim 3, wherein said cell is a mammalian cell.

5. (Amended) A process for producing a protein encoded by the polynucleotide of any one of claims 1, 8 or 14-19, which process comprises:

- (a) growing a culture of a host cell transformed with said polynucleotide in a suitable culture medium; and
- (b) purifying said protein from the culture.

8. (Amended) An isolated polynucleotide comprising the cDNA insert of clone er311_20 deposited under accession number ATCC 98781.

14. An isolated polynucleotide comprising the nucleotide sequence of SEQ ID NO:21 from nucleotide 8 to nucleotide 2008.

15. An isolated polynucleotide comprising a nucleotide sequence that encodes a protein comprising the amino acid sequence of SEQ ID NO:22.

16. An isolated polynucleotide that hybridizes under conditions at least as stringent as 1X SSC at 65 degrees C, or 1X SSC at 42 degrees C with 50% formamide, followed by washing in 0.3X SSC at 65 degrees C, to a complement of the

polynucleotide set forth as SEQ ID NO:21, wherein said polynucleotide encodes a polypeptide having a kanadaptin activity.

17. An isolated polynucleotide that hybridizes under conditions at least as stringent as 1X SSC at 67 degrees C, or 1X SSC at 45 degrees C with 50% formamide, followed by washing in 0.3X SSC at 67 degrees C, to a complement of the polynucleotide set forth as SEQ ID NO:21, wherein said polynucleotide encodes a polypeptide having a kanadaptin activity.

18. An isolated polynucleotide having at least 90% sequence identity to the polynucleotide set forth as SEQ ID NO:21, wherein said polynucleotide encodes a polypeptide having a kanadaptin activity.

19. An isolated polynucleotide having at least 95% sequence identity to the polynucleotide set forth as SEQ ID NO:21, wherein said polynucleotide encodes a polypeptide having a kanadaptin activity.